

PM21 264-480 OF 11
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

NOV 13 1992

Mr. Nick Somma
Rhone-Poulenc Ag Company
P.O. Box 12014
Research Triangle Park, NC 27709

Dear Mr. Somma:

Subject: Chipco 26019 Flo
EPA Registration No. 264-480
Your Submission Dated August 17, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable, provided that you:

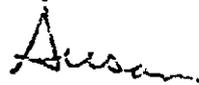
1. Make the labeling change listed below before you release the product for shipment bearing the amended labeling:

Under Environmental Hazards, change the second sentence to " Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark " .

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,



Susan T. Lewis
Product Manager (21)
Fungicide-Herbicide Branch
Registration Division (H7505C)

Enclosure

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

2601-480

CHIPCO® brand 26019 FLO Fungicide

A Fungicide For The Prevention And Control Of Certain Diseases Of Turfgrass and Ornamentals.

ACTIVE INGREDIENT

Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide*.....23.3%

INERT INGREDIENT:.....76.7%

This product contains petroleum distillate.

*Equivalent to 2 pounds Iprodione per gallon.

EPA Reg. No. 264-480

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN CAUTION

For PRODUCT USE Information Call 1-800-334-9745

For MEDICAL And TRANSPORTATION Emergences ONLY Call 24 Hours A Day 1-800-334-7577

STATEMENT OF PRACTICAL TREATMENT

IN CASE OF CONTACT: Wash skin with soap and water. Remove and wash contaminated clothing before use.

FOR EYES: Flush with water for 15 minutes and get medical attention.

IF SWALLOWED: Do not induce vomiting. Contains petroleum distillate. Get medical attention.

ACCEPTED
with COMMENTS
in EPA Letter Dated

May 12 1992

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Avoid contact with skin, eyes, or clothing. Harmful if swallowed or inhaled. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. Avoid breathing spray mist.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended for this pesticide registered under EPA Reg. No. 264-480

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water or wetlands. Do not contaminate water when disposing of equipment washwater. Drift or runoff may be hazardous to aquatic invertebrates in neighboring areas.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

STORAGE AND DISPOSAL

STORAGE

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE DISPOSAL

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

General Use: In order to assure maximum crop tolerance and disease control, follow recommendations on this label and all the precautions and limitations of the package label.

GENERAL INFORMATION

TURF

CHIPCO® brand 26019 FLO Fungicide is a foliar applied fungicide, recommended for turfgrass disease control on golf courses, sod farms, home lawns, and institutional areas where fine turf is grown. When used in conjunction with good turf management practices, CHIPCO® brand 26019 FLO Fungicide is effective in controlling the following diseases:

Spring, Summer And Fall Disease: Dollar Spot, Brown Patch, Fusarium Blight and Necrotic Ring Spot on all common turfgrasses. Helminthosporium Leafspot, Corticum Red Thread and Melting Out are controlled on Bluegrass, Bentgrass, and Bermudagrass.

Winter Diseases: Fusarium Patch (Pink Snow Mold) and Gray Snow Mold. Apply the recommended rates as indicated in the table in 2 to 10 gallons of water per 1000 square feet. Do not drench. Do not allow the spray mixture to stand for longer than 12 hours as some breakdown of the product may occur. Maintain agitation during spray operations. Apply with a properly calibrated sprayer.

TURF

RECOMMENDATIONS FOR USE

Begin applications when conditions favor disease development or when the disease first appears unless otherwise noted.

DISEASE	INTERVAL OF APPLICATIONS	FLUID OZ. 1000 FT. ²
Dollar Spot (<i>Lanzia spp.</i> and <i>Moellerodiscus spp.</i>)	Greens and Tees: Repeat at 14 to 21 day interval as long as required.	3 to 4
Brown Patch (<i>Rhizoctonia solani</i>)	Fairways and Other Turf Areas: Repeat at 22 to 28 day intervals as long as required.	NOTE: On Fairways, for Dollar Spot Control use 2 Fluid Ounces/1000 Ft. ²
Helminthosporium: Leaf Spot and Melting Out (<i>Drechslera spp.</i>)		
Fusarium Blight (<i>Fusarium spp.</i>)	Use only preventative foliar applications when conditions first become favorable for disease development. Two additional applications should be made at 2 to 3 week intervals.	8
Necrotic Ring Spot (<i>Leptosphaeria korrae</i>)		
Fusarium Patch (<i>Microdochium nivalis</i>) [Pacific Northwest Only -- West of the Cascade Mountains]	Repeat at 14 to 21 day intervals as long as required.	4 to 8
Gray Snow Mold (<i>Typhula spp.</i>)	One application before first permanent snow cover if possible, another application during a mid-winter thaw.	4 to 8
Pink Snow Mold (<i>Fusarium nivale</i>)		
Corticum Red Thread (<i>Laetisaria fuciformis</i>)	Use as a preventative every 14 days as long as required.	4

Under severe conditions, the higher rate and/or shorter interval of applications are recommended for all diseases.

Do not mow or irrigate treated areas until the foliage is completely dry, usually a 24 hour waiting period following treatment is preferred.

Do not mix with any sticker, extender, or wetting agent. Do not graze animals on treated turf. Do not feed clippings from treated turf to livestock or poultry.

TANK MIXTURES

Additional Disease Control

For Control of gray snow mold (*Typhula spp.*) in areas where continuous snow cover occurs, apply CHIPCO® brand 26019 FLO Fungicide at 4 to 8 ounces of product per 1000 square feet with Daconil 2787® Flowable Fungicide at 8 fluid ounces per 1000 square feet or Daconil 2787® WG at 4 1/2 ounces per 1000 square feet. Application must be made in autumn before snow covers occurs. Apply with sufficient water to obtain adequate coverage (1 to 5 gallons of spray solution per 1000 square feet). Use the higher rate if the turf remains frozen prior to snow cover. For optimal control, reapply this treatment if a winter thaw and loss of snow cover occurs.

If turf is threatened by additional diseases, CHIPCO® brand 26019 FLO Fungicide is compatible with most commonly used fungicides. Pythium blight will be controlled by the tank mixing of CHIPCO® ALIETTE® brand Fungicide with CHIPCO® brand 26019 FLO Fungicide. If a tank mixture is used, follow label directions for the use of that product and apply at the rate recommended for control of the target disease organism.

BEST AVAILABLE COPY

ORNAMENTALS

FIELD, LANDSCAPE AND GREENHOUSE ORNAMENTALS

CHIPCO® brand 26019 FLO Fungicide is a broad spectrum fungicide that may be applied safely to a wide range of ornamental flowering and foliage plants, either as a foliar spray, drench or dip. Please read specific instructions and use only as directed.

RECOMMENDED FOR USE BY COMMERCIAL NURSERY AND LANDSCAPE PERSONNEL

CHIPCO® brand 26019 FLO Fungicide is recommended for use on a wide variety of flowering and foliage ornamentals as follows :

DISEASES

1. Aerial Web Blight	(Rhizoctonia sp.)
2. Alternaria Leaf Blight	(Alternaria euphorbiae)
3. Alternaria Leaf Spot	(Alternaria panax, Alternaria tenuissima)
4. Botrytis Blight	(Botrytis sp.)
5. Fusarium Leaf Spot	(Fusarium moniliforme)
6. Helminthosporium Leaf Spot	(Helminthosporium sp.)
7. Rhizoctonia stem and root rot	(Rhizoctonia sp.)
8. Ink Spot	(Drechslera iridis)
9. Tulip Fire	(Botrytis tulipae)
10. Alternaria Leaf Blight	(Alternaria zinniae)
11. Ray Blight	(Ascochyta chrysanthami)
12. Fusarium Corn rot	(Fusarium oxysporum)
13. Daffodil Leaf Scorch	(Stagnospora curtissi)

ORNAMENTALS

Numbers in parenthesis refer to diseases controlled (see previous page for disease number)

(Ageratum (1 to 7)	Dizygotheca (1 to 7)	Peach (ornamental) (1 to 7)
Ajuga (1 to 7)	Dogwood (1 to 7)	Peperomia (1 to 7)
Ainond (ornamental) (1 to 7)	Dracena (1 to 7)	Periwinkle (1 to 7)
Alyssum (1 to 7)	English Ivy (1 to 7)	Philodendron (1 to 7)
Andromeda (1 to 7)	Episcia (1 to 7)	Phlox (1 to 7)
Aphelandra (1 to 7)	Euonymus (1 to 7)	Pilea (1 to 7)
Artemisia (1 to 7)	Ficus (1 to 7)	Pine (1 to 7)
Aster (1 to 7)	Forsythia (1 to 7)	Pitosporum (1 to 7)
Azalea (1 to 7)	Gazania (1 to 7)	Plum (ornamental) (1 to 7)
Boxwood (1 to 7)	Geranium (1 to 7)	Poinsettia (1 to 7)
Cactus (1 to 7)	Gladiolus (1 to 7, 12)	Poppy (1 to 7)
Calendula (1 to 7)	Gloxinia (1 to 7)	Pothos* (1 to 6)
Carnation (1 to 7)	Gypsophila (1 to 7)	Primrose (1 to 7)
Cherry (ornamental) (1 to 7)	Hawthorn (1 to 7)	Privet (1 to 7)
Chrysanthemum (1 to 7, 11)	Holly (1 to 7)	Protea (1 to 7)
Cineraria (1 to 7)	Hoya (1 to 7)	Pyracantha (1 to 7)
Coleus (1 to 7)	Hydrangea (1 to 7)	Rhododendron (1 to 7)
Columbine (1 to 7)	Impatiens* (1 to 7)	Rose Tree of China (1 to 7)
Coral Bells (Heuchera) (1 to 7)	Iris (1 to 8)	Rose (1 to 7)
Crape Myrtle (1 to 7)	Juniper (1 to 7)	Salvia (1 to 7)
Crassula (1 to 7)	Kalanchoe (1 to 7)	Schefflera (1 to 7)
Croton (1 to 7)	Lillies (1 to 7)	Snapdragon (1 to 7)
Cyclamen (1 to 7)	Lipstick vine (1 to 7)	Statice (1 to 7)
Daffodils (1 to 7, 13)	(Aeschynanthus)	Tree Ivy (1 to 7)
Dahlia (1 to 7)	Marigold (1 to 7)	Tulip (1 to 7, 9)
Delphinium (1 to 7)	Monarda (Bee Balm) (1 to 7)	Viburnum (1 to 7)
Deutzia (1 to 7)	Pachysandra (1 to 7)	Violet (1 to 7)
Dianthus (1 to 7)	Palm (1 to 7)	Zinnia (1 to 7, 10)
Dieffenbachia (1 to 7)	Pansy (1 to 7)	

*NOTE: Do not use CHIPCO® brand 26019 FLO Fungicide as a soil drench on Impatiens, and Pothos.

Do not use CHIPCO® brand 26019 FLO Fungicide on Spathiphyllum.

PLANT TOLERANCE: Plant tolerances to CHIPCO® brand 26019 FLO Fungicide have been found to be acceptable in the specific genera and species listed on this label. It is not possible to evaluate every species or variety of ornamental plant for its tolerance to CHIPCO® brand 26019 FLO Fungicide. The user should test for possible phytotoxic responses in other plants on a small area basis using recommended rates prior to commercial use.

COPY

HOW TO USE CHIPCO® BRAND 26019 FLO FUNGICIDE AS A FOLIAR SPRAY: Apply CHIPCO® brand 26019 FLO Fungicide as a foliar spray to run-off, at the following rates and intervals, when conditions become favorable for disease development.

DISEASE	QUARTS PRODUCT/ACRE	QUARTS PRODUCT/100 GALS.	INTERVAL OF APPLICATION
Aerial Web Blight (<i>Rhizoctonia sp.</i>)	1.0 to 2.0	1.0 to 2.0	7 to 14 Days
Alternaria Leaf Blight (<i>Alternaria zinniae</i>)			
Alternaria Leaf Blight (<i>Alternaria euphorbiae</i>)			
Alternaria Leaf Spot (<i>Alternaria panax</i>) (<i>Alternaria tenuissima</i>)			
Botrytis Blight (<i>Botrytis sp.</i>)			
Fusarium Leaf Spot (<i>Fusarium moniliforme</i>)			
Helminthosporium Leaf Spot (<i>Helminthosporium sp.</i>)			
Ink Spot (<i>Drechslera iridis</i>)			
Ray Blight (<i>Ascochyta chrysanthami</i>)			
Tulip Fire (<i>Botrytis tulipae</i>)			
Daffodil Leaf Scorch (<i>Stagnospora curtissi</i>)			

Under severe disease pressure, use the highest recommended rate and/or the shortest spray interval.

HOW TO USE CHIPCO® BRAND 26019 FLO FUNGICIDE AS A DRENCH

Apply CHIPCO® brand 26019 Fungicide as a drench at seeding and/or after transplanting for Rhizoctonia control at the following rates and interval:

DISEASE	PRODUCT/100 GALS.	INTERVAL OF APPLICATION
Rhizoctonia Stem and Root Rot (<i>Rhizoctonia spp.</i>)	13 fluid ounces Apply 1 to 2 pints of solution per square foot.	14 Days

NOTE: Do not use CHIPCO® brand 26019 FLO Fungicide as a drench on impatiens, and pothos.

HOW TO USE CHIPCO® BRAND 26019 FLO FUNGICIDE AS A DIP

Apply CHIPCO® brand 26019 Fungicide as a corm dip for Fusarium Corm Rot control in Gladiolus, at the following rate:

DISEASE	QUARTS PRODUCT 100 GALLONS
Fusarium Corm Rot (<i>Fusarium oxysporum</i>)	2.0

TANK MIXTURES

Additional Disease Control: If ornamentals are threatened by additional diseases, CHIPCO® 26019 FLO is compatible with most commonly used fungicides. For control of diseases caused by Pythium and Phytophthora, CHIPCO® 26019 FLO can be tank-mixed with CHIPCO® ALIETTE® brand fungicide. Consult the CHIPCO® ALIETTE® label for a complete listing of diseases controlled and for application rates.

If a tank mix with other fungicides is used, follow label directions for the use of that product and apply at the recommended rate for control of the target disease organism.

DIRECTIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Do not use through sprinkler irrigation systems in California.

Apply this product only through sprinkler irrigation systems including center pivot. Do not apply this product through any other type of irrigation system.

SPRAY PREPARATION: Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

APPLICATION INSTRUCTIONS: First prepare a suspension of CHIPCO® brand 26019 FLO Fungicide in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of CHIPCO® brand 26019 FLO Fungicide, and then the remaining volume of water. (Suspension concentrations using the appropriate dosage per acre recommended on this label of CHIPCO® brand 26019 FLO Fungicide per 1 to 4 gallons of water are recommended) Then set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of CHIPCO® brand 26019 FLO Fungicide into the irrigation water line so as to deliver the desired rate per acre. The suspension of CHIPCO® brand 26019 FLO Fungicide should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

NOTE: When treatment with CHIPCO® brand 26019 FLO Fungicide has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours to prevent washing the chemical off the crop.

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump. The pesticide injection pipeline must also contain a functional, normally closed solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected. Systems must use a metering pump, such as a positive displacement injection pump (e. g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from nonuniform distribution of treated water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation shall shut the system down and make necessary adjustments should the need arise.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label-prescribed safety devices for public water supplies are in place.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warning and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

NOTICE TO BUYER

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.



Rhône-Poulenc Ag Company

Post Office Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

CHIPCO is a registered trademarks of Rhône-Poulenc
CHIPCO® brand 26019 FLO Fungicide (Pending) Submitted 8/ __/92.